CATALOGUE

OF THE

Officers and Students

OF THE

NIVERSITY OF ALABAMA,

FOR 1860-61.

Nashville, Tenn.:
NTED AT THE SOUTHERN METHODIST PUBLISHING HOUSE.
1861.

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Professor of the Latin and Greek Languages.

CALEB HUSE,
Professor of Chemistry, Mineralogy, and Geology.

JAMES T. MURFEE,
Professor of Pure Mathematics, and Civil and Military Engineering.

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Tutor in Ancient Languages.

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Assistant Instructor in Tactics.

CATALOGUE OF CADETS,

1860-61.

ABBREVIATIONS.

Eth	Ethics.
Rhet	Logic, Rhetoric, and Oratory.
Gr.	Greek.
Lat	Latin.
M. L	Modern Languages.
Mat	Mathematics.
Nat. Phil.	Natural Philosophy.
Ch	Chemistry.

NAME.	RESIDENCE.	DEPARTMENTS ATTENDED.
Abernathy, Macon	Jacksonville	Rhet., Lat., Gr., Mat.
Austill, Hurieosco	Clarke Co	Eth., Nat. Phil., M. L., Ch.
Avery, Albert Monroe	Greensboro'	Rhet., Lat., Ch., Mat.
Baker, Richard Emmett	Elyton	Eth., Nat. Phil., Ch., M. L.
Beall, Benjamin Fontaine	Tuscaloosa	Rhet., Lat., Gr., Mat., M. L.
Bibb, Richard	Lowndes Co	Rhet., M. L., Lat., Gr., Mat.
Bolling, John	Butler Co	Rhet., Lat., Mat.
Boykin, Burwell	Dallas Co	Rhet., Nat. Phil., M. L., Ch.
Brantly, Henry Randal	Jackson Co., La	Rhet., Nat. Phil., M. L., Ch.
Brown, John Evander	Sumter Co	Lat., Gr., Mat.
Burgin, John Davis	Tuscaloosa Co	Eth., Nat. Phil., M. L., Ch.
Burwell, Orville Catley	Jefferson Co	Rhet., Nat. Phil., M. L., Ch.
Caldwell, John Alexander	Tuscaloosa	Rhet., Nat. Phil., M. L., Ch.
Cannon, Thomas Emmons	Columbus, Miss	Lat., Gr., Mat.
Chambers, John Hewell	Tuscaloosa Co	Rhet., Nat. Phil., M. L., Ch.
Chambers, Edwin Glover	Marengo Co	Lat., Gr., Mat.
Child, William Alexander	Tuscaloosa	Rhet., M. L., Mat.
Clark, George Washington	Eutaw	Eth., M. L., Nat. Phil., Ch.
Clarke, Richard Henry	Marengo Co	Eth., Rhet., Nat. Phil., M. L., Ch
Clement, Collier Foster	Tuscaloosa Co	Rhet., M. L.
Cochrane, Hardin Perkins	Tuscaloosa	Rhet., Lat., Gr., Mat.

NAME.	RESIDENCE.	DEPARTMENTS ATTENDED.
Cockrell, Leonidas Aurelius	Sumter Co	Eth., M. L., Nat. Phil., Ch.
Coleman, Samuel Creese	Sumter Co	Lat., Gr., Mat.
Croom, Wiley Gray	Greensboro'	Lat., Mat.
Davis, John Dempsey	Perry Co	Eth., Nat. Phil., M. L., Ch.
Davis, Hugh	Perry Co	Lat., Gr., Mat.
DuBose, James Henry	Marengo Co	Rhet., Lat., Gr., Mat.
DuBose, Christopher Pegues	Marengo Co	Ch., Mat.
DuBrutz, Frederick C. Montgomery	Choctaw Co	Rhet., Lat., Gr., Mat.
Duggar, Luke White	Marengo Co	Eth., Nat. Phil., M. L., Ch.
Dunlap, William Henry Clay	Pickens Co	Rhet., Nat. Phil., M. L., Ch.
Ellerbe, Clarence Heber	Marengo Co	Eth., Rhet., Nat. Phil., M. L., Ch.
Fairis, Sylvester Leander	Lowndes Co	Rhet., Nat. Phil., M. L., Ch.
Farley, Francis	Macon Co	Rhet., Nat. Phil., M. L., Ch.
Farley, Joseph	Macon Co	Rhet., Lat., Gr., Mat.
Figh, John Poston	Montgomery	Rhet., M. L., Ch., Mat.
Finley, John Goode	Montgomery	Eth., Rhet., M. L.
Fiquet, Charles Jerome	Tuscaloosa	Rhet., Lat., Gr., Mat.
Foster, George Douglass	Monroe Co	Rhet., Mat.
Garland, Maurice Hamner	Tuscaloosa	Rhet., Lat., Ch., Mat.
Gladney, James William	Chickasaw Co., Miss	Rhet., Lat., Mat.
Gordon, Robert Hayne	Greene Co	Rhet., M. L., Mat.
Goree, Edwin	Perry Co	M. L., Mat., Lat.
Gowdy, Henry Clay	Eutaw	Rhet., M. L., Mat.
Griffin, James Francis	Demopolis	Rhet., Nat. Phil., M. L., Ch.
Guild, Walter	Tuscaloosa	Eth., Ch.
Haden, Willis Banks	Selma	M. L., Ch., Mat.
Hall, James Abercrombie	Autauga Co	Eth., Nat. Phil., Ch.
Hall, Winter Payne	Greene Co	Rhet., Lat., Mat.
Hamner, William James	Tuscaloosa	Rhet., Nat. Phil., M. L., Ch.
Harris, Richard Norfleet	Tuscaloosa	Lat., Gr., Mat.
Hatch, Thomas Alfred	Greensboro'	Rhet., Nat. Phil., Ch.
Hatch, William Dixon	Greensboro'	Lat., Gr., Mat.
Henry, Patrick Clay	Bibb Co	Rhet., Lat., Gr., Mat.
Herbert, Dozier Godfrey	Issaquena Co., Miss	Eth., Lat., Gr., Mat.
Hester, William Chapman	Tuscaloosa	Eth., M. L., Ch.
Hester, Wiley George Washington	Tuscaloosa	Rhet., M. L., Ch.
Hopkins, William Williamson	Choctaw Co	Rhet., M. L., Ch., Mat.
Hughes, Rufus Lockett	Pickens Co	Rhet., Nat. Phil., M. L., Ch.
Hurt, Thomas Augustus	Calhoun Co	Lat., Gr., Mat.
Hutton, Augustus Caldwell	Greene Co	Rhet., Mat.
Irwin, Reason Whitehead	Henry Co	
Jones, Benjamin Rush	Montgomery	Eth., M. L., Ch.
Jones, James Theodore	Autauga Co	M. L., Lat., Gr., Ch., Mat.
Jordan, Mortimor Harvie	Jefferson Co	Rhet., Lat., Gr., Mat.
King, John Drish	Tuscaloosa	Rhet., Nat. Phil., Ch.
Knox, Isaac Price	Pickens Co	
Knox, John Calhoun	Greene Co	Eth., Nat. Phil., M. L., Ch.

NAME.	RESIDENCE.	DEPARTMENTS ATTENDED.
Leach, Sidney Fitts	Tuscaloosa	
Lee, Britton Capel	Autauga Co	Eth., Rhet., M. L., Ch.
Lee, Wayne Emmet	Perry Co	M. L., Lat., Ch., Mat.
Lee, William Julian	Dallas Co	Eth., Nat. Phil., Ch.
Lindsey, Henry Clay	Monroe Co	Rhet., Lat., Gr., M. L., Mat.
Love, William Henry	Russell Co	Lat., Gr., Mat.
Lyon, Frank Glover	Demopolis	Rhet., Lat., Gr., Mat.
Manly, Richard Fuller	Montgomery	M. L., Lat., Gr., Mat.
Marshall, John Lee	Monroe Co	Rhet., M. L., Mat.
Martin, Horace Walpole	Tuscaloosa	Eth., Nat. Phil., M. L., Ch.
Massey, John	Choctaw Co	Rhet., M. L., Ch., Mat.
Maxwell, James Robert	Tuscaloosa	Lat., Gr., Mat., Rhet.
Maxwell, John Thomas	Tuscaloosa	Lat., Gr., Mat.
Mayberry, Dennis	Bibb Co	Lat., Gr., Mat.
McClanahan, James Theodore	Shelby Co	Rhet., Lat., Ch., Mat.
McCrackin, William Glasko	Pickens Co	Rhet., Nat. Phil., M. L., Ch.
McKeithen, Thomas Chaney	Autauga Co	Eth., Nat. Phil., M. L., Ch.
McMath, William Marion	Tuscaloosa	M. L., Lat., Mat.
Nave, George Solon	Perry Co	Rhet., M. L., Ch.
Ogburn, James Austin	Tuscaloosa	Rhet., Ch., Mat.
Palmer, Solomon	Blount Co	Rhet., Nat. Phil., Lat., Gr., Ch.
Pearce, George Alfred	Tuscaloosa	Rhet., Nat. Phil., M. L., Ch.
Pearson, Herbert	Barbour Co	Lat., Gr., Mat.
Pearson, Philip Edward	Matagorda, Texas	Rhet., Lat., M. L.
Pegues, Edward	Dallas Co	M. L., Ch., Mat.
Pettway, John Henry	Wilcox Co	Rhet., M. L., Lat., Gr., Mat.
Phelan, Ellis	Montgomery	Rhet., Lat., Gr., Mat.
Phelan, John	Montgomery	Eth., Nat. Phil., M. L., Ch.
Pickens, John Henderson	Greene Co	Rhet., Nat. Phil., M. L., Ch.
Pierce, Beverly Browne	Eutaw	Rhet., M. L., Lat., Mat
Pierce, Hubbell	Shelby Co	Rhet., Nat. Phil., M. L., Ch.
Pinckard, Lucius	Montgomery	Nat. Phil., M. L., Ch.
Pippin, Edward Duncan	Greene Co	Lat., Mat., Rhet.
Porter, Archibald Newton	Calhoun Co	Rhet., M. L., Ch.
Portis, Thomas William	Monroe Co	Rhet., Lat., Mat.
Post, P. Kingston	Somerset Co., N. Y.	Rhet., M. L., Ch.
Powe, Henry Harrison	Choctaw Co	Rhet., M. L., Mat.
Prince, Edward Rufus	Tuscaloosa Co	Rhet., Lat., Gr., Mat.
Prince, Thomas McCarroll	Choctaw Co	M. L., Lat., Gr., Mat., Ch.
Ramsey, William King	Wilcox Co	Rhet., M. L., Lat., Gr., Mat.
Reese, Augustus	Lowndes Co	Rhet., M. L., Ch., Mat.
Rembert, James Poellnitz	Marengo Co	Rhet., Lat., Gr., Mat.
Riddle, Alvis Thomas	Greene Co	Nat. Phil., Rhet., Ch.
Riggs, Thomas	Dallas Co	Rhet., Lat., Gr., Mat.
Rogers, James Polk	Perry Co	Rhet., Lat., Ch., Mat.
Rumple, William James	Dallas Co	
Sanders, John Calhoun	Greene Co	Eth., Nat. Phil., M. L., Ch.

NAME.	RESIDENCE.	DEPARTMENTS ATTENDED.
Searcy, Reuben Martin	Tuscaloosa	Rhet., Lat., Gr., Mat.
Shelton, Thomas Herndon	Tuscaloosa	Lat., Gr., Mat.
Smith, Eugene Allen	Autauga Co	Rhet., N. Phil., Lat., Gr., Ch., Mat.
Smith, George Washington	Choctaw Co	Rhet., Ch., Mat.
Stallworth, John Crosby	Conecuh Co	Lat., Gr., Mat.
Street, Robert Gould	Tuscaloosa	Rhet., Lat., Ch., Mat.
Tarrant, Edward William	Tuscaloosa Co	Rhet., Nat. Phil., M. L., Ch.
Thompson, Elias Benson	Perry Co	Rhet., Ch., Mat.
Toomer, Charles Orville	Portsmouth, Va	Lat., Gr., Mat.
Vaughan, Edward Bressie	Tuscaloosa	Eth., M. L., Ch.
Vaughan, Henry Clay	Tuscaloosa	Lat., Gr., Mat.
Walker, Hickman Pierce	Tuscaloosa Co	Rhet., Lat., Mat.
Waller, Harris Tinker	Greensboro'	Rhet., M. L., Ch.
Wallis, Elijah Crockett	Pickens Co	Rhet., Lat., Mat.
Weaver, Philip Augustus	Mobile	Rhet., M. L., Nat. Phil., Ch.
Webb, William Henry	Eutaw	Rhet., Lat., Gr., Mat.
West, John	Wayne Co., Miss	Rhet., Ch., Mat.
Williams, Caleb Jacob	Choctaw Co	Rhet., Lat., M. L.
Williamson, James Spullock	Lowndes Co	Lat., Gr., Mat.
Yancey, William Earle	Montgomery	Rhet., Lat., Gr., Mat.
Young, William Brooks	Marengo Co	Rhet., M. L., Lat., Mat.

SUMMARY.

DEPARTMENTS.	STUDENTS IN ATTENDANCE.
Ethics	23
Logic, Rhetoric, and Oratory	85
Greek	45
Latin	65
Modern Languages	69
Mathematics	80
Natural Philosophy	39
Chemistry	67
Total number of students in the University	137

COURSE OF INSTRUCTION, EXPENSES, ETC.,

IN THE

UNIVERSITY OF ALABAMA.

TERMS OF ADMISSION.

No person can be admitted into the University proper, as a student, until he is fifteen years of age; and he is required to present testimonials of good moral character, and habits of application to study.

If the applicant has at any time been connected with another University or College, he must produce an honorable dismission from the same before he can be received into this Institution.

Those admitted into the University may select such studies as they please, provided,

1st. That the previous attainments of a student do warrant his entering upon the studies selected, of which the head of a Department shall be the judge, as far as his own Department may be concerned.

2d. That each student shall enter three, at least, of the Departments, unless good cause be shown for the relaxation of this requirement.

3d. That if, from any cause whatever, it be found upon experiment a student has undertaken more than he can successfully accomplish, the Faculty may, at their discretion, require him to discontinue one or more studies for the time.

The requirements for admission into the several Departments of the University will be found stated under their appropriate heads, the following being common to all, to-wit: English Grammar, Geography, and Arithmetic.

All persons coming to the University for the purpose of seeking admission, must report themselves to the President, on the first day after their arrival in Tuscaloosa.

COURSE OF INSTRUCTION.

The course of instruction in the University is distributed into nine Departments, and each Department into three classes, as exhibited in the following general scheme:

STUDIES PURSUED.

DEPARTMENTS.	CLASS I.	CLASS II.	CLASS III.
Ethics, &c.	Mental and Moral Philosophy.	Political Economy.	Constitutional Law.
Logic, &c.	Analysis of English Language; Elementary Logic; Elementary course in Rhetoric and Composition.	Rhetoric; Composition and Oratory.	Advanced Logic and Rhetoric; Criticism.
Latin.	Horace; Latin Composition; Latin Prosody.	Tacitus; Cicero; Terence; Latin Composition.	Cicero; Quintilian: Seneca; Plautus.
Greek.	M'Clintock's 1st book in Greek; Xenophon; Herodotus; Greek Composition.	Demosthenes; Sophocles; Homer; Gr'k Composition; Gr'k Prosody.	Plato; Æschylus; Euripides; Greek Literature.
Modern Languages.	French Grammar and Reader.	Spanish Grammar and Reader.	French or Spanish Literature.
Pure Mathematics.	Geometry; Algebra.	Trigonometry; Mensuration; Surveying; Navigation; Descriptive Geometry; Analytical Geometry.	Higher Algebra; Calculus.
Natural Philosophy.	Experimental laws of equilibrium and motion, applied to solids, liquids, and airs.	Molecular forces and Astronomy.	Mathematical principles of Mechanics and Astronomy.
Chemistry, &c.	Experimental course on Heat; Electricity; Chemistry.	Mineralogy and Geology.	Applied Chemistry.
Military.	Tactics.	Civil Engineering.	Military Engineering.

All the classes are formed on the 15th day of October, and prosecute their work independently of each other to the close of the scholastic year.

DEPARTMENT OF ETHICS, Etc.

L. C. GARLAND, PROFESSOR.

The first class in this department studies Mental and Moral Philosophy; the second, Political Economy and the Philosophy of the Social Relations; and the third, Constitutional Law, with special reference to the Constitution of the Confederate States, and that of the State of Alabama.

The mode of instruction in this department is by text-books and lectures, upon which, as well as upon certain portions of standard authors previously indicated, the pupils are frequently and rigidly examined. For the purpose of cultivating the power of analysis, and of forming the habit of readily delivering their thoughts, they are required, at these examinations, to reproduce, without the aid of questions, all that is material in the lectures and in the books referred to.

Books Recommended.—*Mental Philosophy.* Text-Book, Haven. Books of Reference—Locke, Reid, Stewart, Brown, Cousin, Hamilton.

Moral Philosophy.—Text-Book, Alexander. Books of Reference—Jouffroy, Stewart, Brown, Price, Butler, McIntosh, Wayland, Winslow.

Political Economy.—Text-Book, Wayland. Books of Reference—Smith, Say, McCulloch, Mill, Chalmers.

Constitutional Law.—Books of Reference—The Federalist. The Writings of John Adams, Jefferson, Madison, Calhoun, and the Selected Debates of the United States Senate.

For admission into this department, the studies of the first class in the Department of Rhetoric are required.

DEPARTMENT OF LOGIC, RHETORIC, AND ORATORY.

JNO. W. PRATT, PROFESSOR.

To enter any of the classes in this department, the study of the following text-books is recommended:

Greene's Introduction to English Grammar, Greene's Elements of English Grammar, Quackenbos's First Book in Composition.

In one class the Analysis of the English Language, Punctuation, Elementary Rhetoric, and Elementary Logic, are the subjects upon which instruction is given. The text-books used in this class are Greene's Analysis, Quackenbos's Second Book in Composition and Rhetoric, and Whately's Easy Lessons on Reasoning.

Another class in this department studies Logic and Rhetoric in connection with Lectures on these subjects by the Professor. Standard authors are referred to in every lecture, and recitations upon these and upon the lectures are required every week.

The following list comprises those books of reference which each student in this class ought to possess:

Thompson's Outline of the Laws of Thought, Sir William Hamilton's Lectures on Logic and Metaphysics, Campbell's Philosophy of Rhetoric, Whately's Rhetoric, Day's Art of Rhetoric, and Cicero De Oratore.

Exercises in compositions weekly, formal essays, written orations, and occasional forensic disputations, constitute a part of the regular duties of this class. Each member of this class should have the following books to equip him for these exercises: Worcester's Quarto Dictionary, Roget's Thesaurus of English Words, Whately's Synonyms.

Another class in this department attends lectures on Criticism and Æsthetics.

The works referred to in this course of lectures are too numerous to mention here. Students in this class are expected to digest and compare the teachings of different authors, to apply principles in the criticism of English Prose and Poetry, and to engage in independent researches upon all the subjects discussed in the Lecture-Room.

The final examination of this class will create a necessity for an accurate acquaintance with all the subjects pertaining to this department.

Regular exercises in declamation will be performed by all the classes in this department.

Candidates for admission into this department will be examined on Reading, Writing, Spelling, English Grammar, and Geography.

DEPARTMENT OF THE LATIN AND GREEK LANGUAGES.

WM. S. WYMAN, PROFESSOR.
WM. J. VAUGHN, TUTOR.

This department has two subdivisions: I. Latin; and II. Greek, in either or in both of which the student may take a diploma.

I. LATIN.

The First Class in Latin, with three exercises per week, studies:

In the first term—The Satires of Horace and Latin Exercises.

In the second term—The Epistles of Horace and Latin Exercises.

In the third term—The Odes of Horace and Latin Exercises.

For admission into this class, the student must pass an approved examination in Latin Grammar, (Andrews and Stoddard,) including Latin Prosody; Arnold's First Latin Book, (Harkness;) four books of Cæsar's Gallic War, (Spencer;) the Bucolics, and six books of the Æneid of Virgil, (Frieze;) the four orations of Cicero against Catiline; the oration in favor of the Poet Archias; and the oration in favor of the Manilian Law, (Johnson.)

The Second Class in Latin, with three exercises per week, studies:

In the first term—Cicero de Senectute, and De Amicitia, and Latin Composition, (Arnold.)

In the second term—Histories of Tacitus, and Latin Composition, (Arnold.)

In the third term—Satires of Juvenal, and Latin Composition, (Arnold.)

For admission into this class, the student must pass an approved examination both in the preparatory studies and in the studies pursued by the first class.

The THIRD CLASS in Latin, with two exercises per week, studies:

In the first term—Cicero's Oration for Milo, and Latin Composition.

In the second term—The Heautontimorumenos of Terence, and Latin Composition.

In the third term—The Brutus of Cicero, and Roman Literature.

In order to the successful prosecution of this course, the following works, for reading and reference, are necessary, and the student is advised to bring them from home with him when he enters the University:

Andrews' Latin Lexicon, Riddle and Arnold's English-Latin Lexicon, Smith's Classical Dictionary, Smith's Dictionary of Greek and Roman Antiquities, Zumpt's Latin Grammar, Long's Classical Atlas, Dœderlein's Handbook of Latin Synonyms, Becker's Gallus, Browne's History of Roman Literature, Liddell's History of Rome, and Keightley's History of the Roman Empire.

II. GREEK.

The FIRST CLASS in Greek, with three exercises per week, studies:

During the first half of the collegiate year—Xenophon's Anabasis, Third and Fourth Books, and Greek Exercises.

During the second half of the collegiate year—Herodotus, and Greek Exercises.

For admission into this class, the student must pass an

approved examination in Greek Grammar, Jacob's Greek Reader, the first two books of Xenophon's Anabasis, and McClintock's First Book in Greek.

The Second Class in Greek, with three exercises per week, studies:

In the first term—Selections from the Greek Historians, (Felton;) and Greek Composition, (Arnold.)

In the second term—The Olynthiac Orations of Demosthenes, (Champlin;) and Greek Composition, (Arnold.)

In the third term—The Alcestis of Euripides, (Woolsey;) and Greek Composition, (Arnold.)

To enter this class, the student must pass a satisfactory examination in the preparatory studies, and in those pursued by the First Class.

The Third Class in Greek, with two exercises per week, studies:

In the first term—Thucydides, (Owen;) and Greek Composition.

In the second term—The Antigone of Sophocles, (Woolsey;) and Greek Composition.

In the third term—The Clouds of Aristophanes, (Felton;) and Greek Literature.

In order to the successful prosecution of this course, the following works, for reading and reference, are necessary, and the student is advised to bring them from home with him, when he enters the University:

Liddell and Scott's, or Pickering's Greek Lexicon, Kuehner's Greek Grammar, Yonge's English-Greek Lexicon, Becker's Charicles, Smith's History of Greece, and Browne's History of Greek Literature.

DEPARTMENT OF MODERN LANGUAGES.

ANDRÉ DELOFFRE, PROFESSOR.

Class I.—*French.* The course is divided into three parts, the first comprising the rudiments of pronunciation, grammar,

etc., etc., with their application; the second, exercises in translation of French into English; and the third, exercises in translation of English into French.

These three parts correspond to the three terms of the collegiate year.

The following text-books are recommended:

Fasquelle's New Method of Learning the French Language; J. Roemer's Second French Reader; The History of Rasselas, Prince of Abyssinia, by S. Johnson, for translation of English into French, or any other English classic; Spiers and Surenne's large 8vo French Pronouncing Dictionary.

Class II.—*Spanish.* The course in Spanish begins also with the first principles, and comprises a thorough knowledge of the grammar, construction, and derivation of the language.

The text-books recommended are:

Ollendorff's New Method of Learning to Read, Write, and Speak the Spanish Language, by M. Velazquez and T. Simonne; The New Spanish Reader, by M. Velazquez de la Cadena; Velazquez and Seoane's Spanish and English and English and Spanish large 8vo Dictionary.

Class III.—*A course of French or Spanish Literature.* This course will be adapted to the previous studies of the members of the class. Text-books will be recommended accordingly.

DEPARTMENT OF MATHEMATICS.

JAMES T. MURFEE, PROFESSOR.

The First Class in Mathematics, being supposed to be already familiar with Arithmetic, and Algebra, through the solution of Equations of the First Degree, commences the year with the study of Algebra, and prosecutes it to the extent requisite for the successful completion of the usual college course, to wit: through the subjects of Equations of the Second Degree, Formation of Powers and Extraction of Roots, the Bi-nomial Theorem, Arithmetical and Geometrical

Progression, and the Theory of Logarithms. It then takes up the study of Geometry, and is expected to complete it within the year.

A competent knowledge of the studies belonging to the preceding class is required for admission into the Second Class in Mathematics. This class pursues in order the subjects of Plane Trigonometry, Mensuration, Surveying and Navigation, Analytical Geometry, and the Differential and Integral Calculus.

The mode of instruction in these two classes consists chiefly in the systematic study of approved text-books, together with occasional lectures thereon, by way of explanation or enlargement; and the progress of the students is constantly tested by rigid examination.

The Third Class in Mathematics is engaged in the study of the Higher Algebra, as, the General Theory of Equations, the solution of Equations of a higher degree than the second, and kindred topics, and a more extensive course in the Differential and Integral Calculus, and the Calculus of Variations.

Text-Books.—Smith's Algebra; Pierce's Geometry; Loomis's Trigonometry, Navigation, and Surveying; Loomis's Tables; Courtenay's Differential and Integral Calculus.

DEPARTMENT OF NATURAL PHILOSOPHY AND ASTRONOMY.

GEORGE BENAGH, PROFESSOR.

The First Class in Natural Philosophy is occupied throughout the year with the laws of Equilibrium and Motion, as applied to Solids, Liquids, and Airs. The topics introduced in this connection vary from year to year, and embrace such as the Centre of Gravity, Friction, Strength and Stress of Materials, Theory of Machines, the Pendulum, the Barometer, the Laws of Gravitation, Hydraulic and Pneumatic Engines, etc., etc.

The Second Class in Natural Philosophy and Astronomy,

to which the studies of the preceding class are preliminary, commences with the Theory of Undulation, and after having completed the subjects of Acoustics and Light, both common and polarized, spends the remainder of the year in the study of Astronomy.

To these two classes instruction is conveyed, for the most part, through lectures, reference being constantly had to good manuals, supposed to be in the hands of the students, and the principles of the different subjects being established by such methods as require, on the part of the student, a familiar acquaintance with the principles of Algebra, Geometry, Plane Trigonometry, and Analytical Geometry.

The general Philosophical apparatus of the University is good, especially its apparatus for the determination and illustration of the laws of Optics; and its Astronomical Observatory is fitted up with instruments amply sufficient for all the purposes of instruction.

The Third Class in Natural Philosophy and Astronomy, in addition to the ordinary course in Mathematics, is supposed to be also acquainted with the doctrines of the Higher Algebra and the Calculus. It is wholly engaged in the study of the Mathematical principles of Mechanical Philosophy and Astronomy. The students of the class have free access to the Observatory, and will devote a large share of their attention to the subjects of Nautical and Spherical Astronomy.

Text-Books.—Mechanics—Smith or Bartlett; Acoustics—Bartlett; Light—Jackson; Astronomy—Gummere; Pratt's Mechanical Philosophy; Bartlett's or Loomis's Spherical Astronomy.

DEPARTMENT OF CHEMISTRY, Etc.

C. HUSE, PROFESSOR.

Class I. The studies of this class during the year will include the subjects of Heat, Electricity and Chemistry—which will be taken up in the order named.

The leading facts and principles of each science will be brought forward in a series of lectures, illustrated by specimens and experiments.

Recitations upon the subject-matter of the preceding lectures will be heard at stated intervals. Text-books, as such, will not be used, but works will be recommended to students as desirable to be read in connection with the course of lectures.

Class II. This class will study Mineralogy during the first term, and Geology during the second and third.

The system of instruction will, as in Class I., include elementary courses of lectures, illustrated by the University collections of minerals, rocks, and fossils, and regular recitations. Books will be recommended as aids to students following the lectures.

Students desiring to enter this class are not required to pass a previous examination upon the studies of Class I.

Class III. This class may be viewed as the complement of Class I.—pursuing the same studies and at the same time, but taking them up in a more extended form, and with special attention to the practical application of the general principles which have been previously examined. Thus, such subjects as the Steam Engine, (under Heat,) Electrotype and the Electric Telegraph, (under Electricity,) and the various arts and manufactures with which Chemistry is intimately concerned, may in this class be studied more thoroughly than time will permit in the more general course of Class I.

To students thus advanced, special facilities may also be granted for the examination of the University collections and apparatus.

The Chemical Laboratory is well furnished with apparatus and chemicals, both for the purposes of illustration and scientific research.

The Geological Cabinet contains valuable suites of specimens illustrative of Mineralogy, Geology, and Palæontology.

MILITARY DEPARTMENT.

The government of the University is committed to the Military Department, under the superintendency of the President of the University. So far as the rules and regulations and the daily exercises in drill are concerned, all students must belong to this Department. The time thus devoted by all to the Military Department does not abstract from that which would otherwise be devoted to study. Indeed, the facilities for study are greatly increased by the quietude and good order maintained during the hours appointed for study.

This mode of government has proved itself to be the best that can be devised for the youth of the State—promoting health, developing physical power, restraining from immorality, elevating the character, and securing habits of industry, regularity, sobriety, and virtue.

The amount of knowledge of Military Tactics that may be acquired by that attention to the Military Department which is exacted of all students, is adequate to fit one to drill well a company or a regiment, and to lead either properly into battle.

But besides this general attention to the Military Department, which is imperative on all, special attention may be given by any one who chooses to the study of Arms as a profession. The studies in this Department are arranged into three classes, as follows:

CLASS I.—TACTICS.

The courses of Infantry and Artillery Tactics shall conform to the system established for the government of the Confederate States Army.

Infantry Tactics.—Theoretical and practical instruction in the schools of the soldier, company, and battalion.

Artillery Tactics.—Theoretical and practical instruction in the schools of the piece and battery.

Nomenclature, and description of the different kinds and parts of Light and Heavy Ordnance.

Gunnery—Theory and practice with various Artillery Arms.

Pyrotechny.—Manufacture of implements of war.

Strategy and Grand Tactics, Army Organization and Administration, Advance Guard and Outpost Duty.

CLASS II.—MILITARY ENGINEERING.

Military Engineering comprehends all that relates to field fortification, laying out and constructing forts, lines, and other entrenchments; obstacles, ditch defences, block-houses, and to the crossing of marshes and rivers; military bridges, with sketches of the attack and defence of permanent works.

CLASS III.—CIVIL ENGINEERING AND ARCHITECTURE.

Civil Engineering embraces the materials, the mechanical principles and details of construction, in masonry, carpentry, foundation in land and in water, bridges, centres, roads, drainage, locomotives, canals, etc.

Architecture continues masonry and carpentry, in the construction of walls, arches, floors, roofs, etc., and teaches details and characteristic forms, which distinguish the various styles of architecture—Egyptian, Greek, Roman, and Gothic.

EXAMINATIONS.

An English Examination is held near the close of the scholastic year, previous to the regular examination upon the studies of the year.

This examination embraces the subjects of English Grammar and Modern Geography. All students of every grade who failed to sustain a satisfactory examination on these subjects at the time of their admission are held due to it.

No diploma or certificate of proficiency is conferred upon any one until he has exhibited a satisfactory familiarity with these subjects.

If a student fails at this examination, he is required to appear at the next, and so on, until the end of his course—*the grade of merit which he receives being incorporated in his general average scholarship for the year.*

The Annual Examination is held at the close of the scholastic year. It embraces all the studies of the year. It is conducted in writing and in oral recitation. All students are held due to this examination, without regard to the time of the year at which they may have entered. This shows at once that entrance at the time when the classes are formed is a matter of prime importance.

DEGREES.

Students who complete the studies of the First and Second Classes of any Department, with a grade not less than fifty per cent. of the maximum, shall receive a Diploma of Graduation from said Department, to be conferred in public; and they shall be numbered among the Alumni of the University.

Students who may complete the studies of the First and Second Classes of the several Departments, with a grade of scholarship in each not less than fifty per cent. of the maximum, shall be entitled to the Degree of Bachelor of the Arts and Sciences of the University of Alabama.

Students who may complete the studies of all the classes in the several Departments, with a grade of scholarship in each not less than seventy-five per cent. of the maximum, shall be entitled to the Degree of Master of Arts and Sciences of the University of Alabama.

The Degree of Master of Arts, hitherto conferred *in course* at the expiration of three years from the attainment of the first degree, is for the future abolished.

Candidates for any degree of the University who enter a class in any department higher than the first, must at some annual examination appear with the lower class or classes, and the grade which may at such examination be assigned to them shall be incorporated in the estimate of their general average.

Students, whether candidates for the Diploma of any Department, or for the Degree of Bachelor of Arts, or for that of Master of Arts, who shall attain to a grade of ninety per

cent. upon the merit roll of any of the Departments, shall be considered as attaining in those Departments to honorable distinction, and their names shall be publicly announced upon the day of Commencement, and published in the Annual and Triennial Catalogues of the Institution.

The fee for any Degree, including the Diploma, is $2 00, which must be paid as early as the Saturday before Commencement Day.

The University will not be responsible for *the safe keeping of any Diploma* after the Degree has been conferred.

EXPENSES.

Each one applying for admission into the University must come fitted out with certain articles of that durable character which will not require to be replaced during his residence at the Institution. The most of these he can procure at home. Such as he does not bring with him can be procured at the Quartermaster's office, at the following prices:

Mattrass for a single Bed	$4 00
1 pair of Heavy Blankets	7 50
1 Comfort	2 50
2 pairs of Sheets	2 50
3 Pillow-cases	50
1 Pillow	2 00
1 Military Overcoat (uniform)	20 00
1 Military Dress Cap	4 00
1 roll of Webbing, (white,)	1 50
1 Hair-Brush	75
2 Combs (one fine, one coarse)	75
1 Clothes Broom	25
Shaving Apparatus	2 50
1 dozen Towels	3 00
2 Clothes Bags	50
Outfit	$52 25

To these should be added the Grammars and Lexicons of the languages he proposes to study, and of which he must be in possession already, as far as Latin, Greek, and English are concerned.

As to clothing, a student may bring with him as much *under-clothing* as he pleases, and afterwards procure such from home, from time to time, as he may require, and by so doing he may diminish his annual expenses at the University. But of *outer-clothing*, he should bring none excepting the suit he wears.

But supposing a student to bring nothing with him, and to remain totally dependent upon the University for all his supplies, during the whole period of his residence within its walls, his annual expenses ought not to exceed the sum of $415 for each scholastic year of ten months, as the following statement shows:

FIXED EXPENSES.

Tuition	$52 00	
Room rent and furniture rent	8 00	
Washing	24 00	
Fuel and lights	20 00	
Medical fee	5 00	
Music fee	5 00	
Servants' hire	4 00	$118 00

VARIABLE EXPENSES.

Board, ($13 per month,)		$130 00	
Clothing—2 Uniform Coats	$30 00		
2 pairs of Winter Pants	15 00		
8 pairs of Summer Pants	32 00		
1 Winter Jacket	5 00		
2 Summer Jackets	6 00		
2 Vests	6 00		
2 Caps, (undress,)	5 00		
2 dozen Collars	4 00		
1 dozen Shirts	18 00		
6 pairs of Drawers	4 50		
1 dozen pairs of Socks	3 50		
8 pairs of Berlin Gloves	2 80		
6 pairs of Shoes	24 00		
Repairing Shoes	4 00		
6 Pocket Handkerchiefs	2 00		
1 pair of Suspenders	75		
1 Neck Tie	50		
Books and Stationery	12 00	175 05	
		$305 05	305 05
Total Annual Expenses			$423 05

N. B.—Since this Catalogue was printed, the state of the country is entirely changed.—We cannot afford to feed and clothe Cadets at the prices published. We enter, however, into a contract to do both as cheaply as possible, and to charge only what the food and clothes cost us. The same may be stated of fuel and lights.

L. C. GARLAND, *Prest. & Supt.*

The above amount of clothing is ample for any one who takes ordinary care of his garments. In most cases, we believe that the expenses will fall under $400. But it is necessary that we require the deposit of $420, with the understanding that a student shall pay only for what he actually receives. A strict account will be kept of his expenses, and if they shall prove to be less than the sum designated, the balance will be paid over to him at the end of the year. But beyond the amount deposited, no supplies will be furnished until an additional deposit, to defray their cost, is made.

In order to prevent wholly the purchase of unnecessary supplies, and to restrain extravagance in the purchase of necessary ones, no article is issued to any student without a written permit entered in his check-book, by the President of the University.

Our materials for clothing are of good quality, and are purchased in large quantities and upon favorable terms. They are well made up in a tailoring establishment connected with the University, and they are sold to students at a price which barely covers the cost of production. By order of the Board of Trustees, no revenue is to be derived from either the Commissary's or the Quartermaster's Departments. These Departments are to be self-sustaining merely; so that we may justly claim to furnish to the youth of the country a University education at as low a price as it can be furnished in this portion of the State where the University is located.

The prices stated above are those at which we now furnish articles to students. These prices will vary slightly from year to year with the state of the market; but in all cases the student will pay for that only which he receives, and at a cost that barely saves the University from loss.

As we furnish the student with every thing that is necessary to his comfort, there is no more reason that he should have pocket-money at the University than at home. It is as useless and hurtful at the one place as at the other. Much of it should not be allowed; and what is allowed, must be deposited along with his other funds, to be drawn monthly. We must insist upon the observance of this regulation, even to

the exclusion from the University of him who disregards it. It is not hereby intended to take from the parent the right to supply his son with as much pocket-money as he may think proper, but to regulate and control its expenditure, and to keep a broad distinction between what is necessary and what is not. In former years, students have, in many instances, been shamefully extravagant, and they have represented to their parents that their expenses were necessary; and we now call upon parents to aid us in protecting their purses from such imposition. We want them to know how every cent goes which they pay for the education of their sons.

There is a kindred regulation of equal importance, that prohibits a parent from procuring credit for his son in the vicinity of the University, or from paying any debt which his son may have contracted without the knowledge or consent of the President of the University, upon the observance of which we must also insist.

No student will be received into the University for a space of time less than one year; and if he should, after his reception, withdraw for any other reason than ill health, certified to by the Surgeon of the University, or be dismissed from the institution, his "Fixed Expenses" shall be forfeited.

ENCAMPMENT.

The "Annual Expenses," as stated above, are for the scholastic year of ten months, beginning on the 1st of October, and they are the only expenses which a student need incur during any year after his first. But those who enter the University for the first time are required to report themselves for admission on the 1st day of August, Sundays excepted, to go into camp for the space of two months, in order to become familiar with Military drill and discipline before entering upon their scholastic duties in October. And it is extremely important that every new student should be present on the 1st of August. The expenses of living in camp for two

months are to be added, therefore, to the "Annual Expenses" of the first year. They are as follows, viz.:

Board	$26 00
Washing	4 00
Lights	1 00
Servants' hire	50
Total	$31 50

But the "Annual Expenses" are given upon the supposition that a young man presents himself wanting every thing, and buying every thing he wants. But in fact every one comes from home the first year well provided with under-clothing, such as shirts, drawers, socks, etc., diminishing thereby his "Annual Expenses" for that year to an extent sufficient to defray his expenses in camp. So that an additional deposit for camp will not be required of those who have under-clothing to the value of $31 50.

For the convenience of parents and guardians, the amount to be deposited will be divided into two portions, and paid at different times, as follows:

At entrance	$250 00
On the 1st of March	170 00
Total	$420 00

ACADEMIC DEPARTMENT.

With a view to prepare pupils more thoroughly for the Scholastic Departments of the University, and also with a view to bring the advantages of the Military Department within the reach of those who do not wish to enter upon a University course of education, it will be recommended to the Board of Trustees, at their next annual meeting, to establish an Academic Department, in which Spelling, Reading, Writing, Geography, English Grammar, Arithmetic, Algebra, and the studies preparatory to the Department of Latin and Greek, will be thoroughly taught.

The Military System is as well adapted to boys as to men. It is adequate to secure every advantage desired in the gov-

ernment of a Preparatory School; and by placing the pupils of such a School in a building by themselves, with their officers living in their midst, by forming them into a separate Military Company, by having them, during study hours, in one large room, under the eye and instruction of competent teachers, and during their leisure hours under the care of their Military officers, a school may be formed, worthy, in all respects, of the confidence and patronage of the public—one holding out peculiar advantages to those who are looking forward to the prosecution of the University course of study. If a sufficient number of pupils shall apply for admission into this school to render it self-sustaining, there is no reason to doubt its establishment by the Board of Trustees. Those who wish to make application for admission into this Department will address the President of the University before the 10th of July next.

MEDICAL DEPARTMENT.

A Medical officer is attached to the University, whose duty it is, not only to prescribe for the sick, but to have a general charge of the health of the corps. Every morning, at a stated hour, he is in his office. All Cadets that are unwell report in person to him at that time, or, in case of serious illness, send for him to attend them in their rooms.

The Surgeon makes a written report upon the health of the corps every morning, mentioning those Cadets by name that are sick, and stating the character of the disease; and specifies what duty they are to be excused from during the day.

Besides this, the residence of the Surgeon is near the University, and he may be called at any hour of day or night, in case of necessity.

Each Cadet is charged the sum of $5 00 per year as a Medical Fee, which is the same, whether the Cadet requires medical advice every day in the year, or none at all.

FREE TUITION.

Each county in the State is entitled to send three students

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L. C. GARLAND, *Prest. & Supt.*

to the University, free of all charges for tuition, room-rent, fuel, and servants' hire. In order to enjoy this benefit, an applicant must present the written certificate of the Superintendent of Public Schools for the county, or that of the Trustee of the University for the circuit, in which he resides to the following facts:

1. That the applicant's character is unexceptionable, and his habits studious.

2. That this benefit is necessary to enable him to procure a University education.

From this it will appear that the applicant need not be wholly destitute of means. It is only one who can pay his board and clothing that can enjoy this benefit, and all that is required is that the benefit be absolutely necessary to enable him to reside at the University.

VACATIONS—COMMENCEMENT.

There are no vacations; but furloughs at proper times and of limited duration are given. Those who have been in one encampment may obtain furloughs for the whole time of the second and subsequent encampments, provided their presence at the University is not required for the discharge of any drill or guard duty.

Commencement is on the Thursday following the second Monday in July. A public exhibition in Oratory takes place the day before Commencement. The Annual Meeting of the Board of Trustees is on the Saturday preceding.

☞ Catalogues are always sent, postage paid, to all who apply for them.

The Alumni of the University are entitled to a copy of every document issued by the Faculty. They are, however, expected to furnish the Secretary of the Faculty with the names of their post-offices, and they are earnestly requested to do so.

HONORS AND APPOINTMENTS.

Declamation Prize Medallists.

EXHIBITION OF 1859.

JOHN DRISH LELAND.....Tuscaloosa.

EXHIBITION OF 1860.

PAUL HAMILTON LEWIS.....Montevallo.

Appointments--Commencement, 1860.

Valedictory Oration.....JOSEPH HUTCHINSON.....Tuscaloosa.
French Oration.....JOSEPH HUTCHINSON.....Tuscaloosa.

Students Meritorious in Scholarship and Deportment.

COLLEGIATE YEAR 1859-60.

1. FRANCIS FARLEY.....Macon Co.
2. JOHN MASSEY.....Choctaw Co.
3. MATTHEW EDWIN MACARTNEY.....Mobile.
4. HENRY CLAY LINDSAY.....Monroe Co.
5. JOHN CALHOUN KNOX.....Greene Co.
6. JOHN CALHOUN SANDERS.....Greene Co.
7. RICHARD HENRY CLARKE.....Marengo Co.
8. PHILIP EDWARD PEARSON.....Matagorda, Texas.
9. GEORGE ALFRED PEARCE.....Tuscaloosa.

CALENDAR—1861-62.

Collegiate Year begins.....Monday, September 2, 1861.
First Exhibition in Oratory.....Thursday, December 19, 1861.
Second Exhibition in Oratory.....Thursday, March 27, 1862.
English Examination.....Friday, June 20, 1862.
Annual Examination begins.....Monday, June 23, 1862.
Meeting of Board of Trustees.....Saturday, July 12, 1862.
Baccalaureate Sermon.....Sunday, July 13, 1862.
Address before Historical Society.....Monday, July 14, 1862.
Anniversary Oration before Erosophic and Philomathic Societies.....Tuesday, July 15, 1862.
Oration before Society of Alumni.....Tuesday, July 15, (at night.)
Annual Exhibition in Oratory.....Wednesday, July 16, 1862.
Oration and Poem before Phi Beta Kappa Society...Wednesday, July 16, (at night.)
Commencement Day.....Thursday, July 17, 1862.